

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	2		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				o		o
					o		o
DWR ID	DWR_RD2101_01_s_2013_2						
Comment Code							
Inspector Comment							
The LMA has the O&M Manual available electronically.							

Photo 1 of 1 : SP_2018_RD2101_326_2_20180305_00003.jpg



View of the O&M manual and other documentation.

LM Start		Rating **	A	Issue No.	4		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Emergency Supplies & Equipment				o		o
					o		o
DWR ID	DWR_RD2101_01_s_2013_4						
Comment Code							
Inspector Comment							
LMA has emergency supplies on site at the warehouse.							

Photo 1 of 2 : SP_2018_RD2101_326_4_20180305_00004.jpg



View of the emergency flood fight supplies in the shop.

LM Start		Rating **	A	Issue No.	4 (cont)
LM End		Issue Type +	Ma	Location *	N/A

Photo 2 of 2 : SP_2018_RD2101_326_4_20180305_00005.jpg



Another view of the emergency flood fight supplies in the shop.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	5	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				o	
					o	
DWR ID	DWR_RD2101_01_s_2013_5					
Comment Code						
Inspector Comment						
LMA is current on flood fight training.						

No Photos

LM Start	0.04	Rating **	M	Issue No.	12
LM End	0.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.657648 °	37.657648 °
				-121.253812 °	-121.253812 °
DWR ID	DWR_RD2101_01_s_2012_12				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
LMA is actively exterminating rodents in this area.					

Photo 1 of 1 : SP_2018_RD2101_326_12_20180305_00007.jpg



View of the rodent holes on the waterside levee slope, facing upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	0.20	Rating **	A/W	Issue No.	946
LM End	0.20	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.657130 °	37.657130 °
				-121.251695 °	-121.251695 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20752					
DS_ID:20700					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 20-inch steel drainage pipe through the levee, 2 feet below the crown. Concrete U-shaped headwall and flap gate on the waterside (WS) end. Pump on pile structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 0.20), 18-inch pipe listed].					
FS Date: 9/19/2013					

Photo 1 of 3 : UCIP_SP_2018_20752_34980.jpg



Pump on platform at LS.

LM Start	0.20	Rating **	A/W	Issue No.	946 (cont)
LM End	0.20	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_20752_34979.jpg




Pump on platform at LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

Photo 3 of 3 : UCIP_SP_2018_20752_34978.jpg



Concrete U-shaped headwall on LS toe at willow tree on WS toe.

Photo 1 of 3 : UCIP_SP_2018_20785_35046.jpg



09/18/2013 09:53

Slide gate at concrete headwall on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

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Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	0.31	Rating **	M	Issue No.	947 (cont)	
LM End	0.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.658142 °	37.658142 °	
				-121.250047 °	-121.250047 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20785 DS_ID:20701 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet blocked by soil from beaver activity. Outlet covered in soil. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 21 feet below the crown. Headwall and slide gate on the landside (LS) end. Concrete U-shaped headwall and flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 0.31)]. FS Date: 9/19/2013						

LM Start	0.31	Rating **	M	Issue No.	947 (cont)
LM End	0.31	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_20785_35045.jpg



Slide gate at concrete headwall on LS toe.

Photo 3 of 3 : UCIP_SP_2018_20785_35044.jpg



Outlet covered in soil but likely at willow tree on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	0.70	Rating **	C	Issue No.	26
LM End	0.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.659907 °	37.659907 °	
			-121.244219 °	-121.244219 °	
DWR ID	DWR_RD2101_01_s_2013_26				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.78	Rating **	M	Issue No.	20
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.659436 °	37.659436 °	
			-121.242965 °	-121.242965 °	
DWR ID	DWR_RD2101_01_f_2016_20				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.82	Rating **	M	Issue No.	19
LM End	0.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.658918 °	37.658918 °	
			-121.242544 °	-121.242544 °	
DWR ID	DWR_RD2101_01_s_2017_19				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
LMA installed bait stations to exterminate rodents. Backfill and compact rodent hole.					

Photo 1 of 1 : SP_2018_RD2101_326_19_20180308_00055.jpg



View of the bait station on the levee slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	0.86	Rating **	M	Issue No.	21
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.658715 °	37.658715 °
				-121.241945 °	-121.241945 °
DWR ID	DWR_RD2101_01_f_2016_21				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD2101_326_21_20180305_00010.jpg



View of the rodent hole on the landside slope.

LM Start	0.94	Rating **	M	Issue No.	22
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.657875 °	37.657622 °
				-121.241209 °	-121.241187 °
DWR ID	DWR_RD2101_01_f_2016_22				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	1.02	Rating **	N	Issue No.	33
LM End	1.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.656745 °	37.656745 °
				-121.241104 °	-121.241104 °
DWR ID	DWR_RD2101_01_f_2014_33				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD2101_326_33_20180305_00019.jpg



View of the tree stump at the waterside levee toe.

LM Start	1.10	Rating **	M	Issue No.	23	
LM End	1.10	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.655521 °		37.655521 °
				-121.241191 °		-121.241191 °
DWR ID	DWR_RD2101_01_s_2017_23					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	1.86	Rating **	C	Issue No.	1	
LM End	1.95	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.650259 °	37.650259 °	
				-121.228961 °	-121.228961 °	
DWR ID	RD2101U01RM73.92					
Comment Code						
Inspector Comment						
10/26/2017: The erosion is being repaired at the time of survey. 07/12/2016: No significant change observed. 08/19/2015: No significant change observed. 07/17/2014: No significant change observed. 09/20/2013: Site has been visited. There are signs of further erosion development along the levee slope and toe. 07/18/2012: The erosion has further developed toward levee crown. Vegetation has been removed. 08/18/2011: The erosion progressed significantly during the past flood season. The levee toe along the erosion site was washed away, and the erosion has cut the levee structure up to the point about 1/3 of the levee slope. The scarp height is approximately 17 feet. Very dense vegetation and trees are visible. 10/19/2010: No significant change observed on site. Remaining levee berm topsoil is of silty sand mixture. The erosion is near the downstream transition. An eddy has formed, and has scoured away a 100-foot section of the bank, possibly encroaching into the levee prism. Vegetation on site includes willows, oak, and cotton wood located from the bench to the toe. On the landside are rows of corn crop. 08/05/2010: Recommended for Repair, per CLRO. 2009: Site recommended as annual assessment and monitoring if critical erosion site, per CLRO CES Evaluation 2008 Report; an eddy has formed, eroding bank and intruding into the levee prism; Site # is the same as RM76.3, LM1.89; previously rated "U". 08/30/2007: Recommended for short list of immediate repair sites; silty sand levee material. [2017 Site ID:RD2101U01RM73.92]						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	1.87	Rating **	A/W	Issue No.	39 (cont)
LM End	1.96	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.650550 °	37.649980 °
				-121.229570 °	-121.228040 °
DWR ID	DWR_RD2101_01_f_2017_39				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:133					
Site Designation:DWR_RD2101_01_s_2012_1					
Repair Type: Erosion					
Rating:Critical					
Field Date:6/8/2017					
Notes: Lineal cracking on the levee crown is visible. Erosion scarp is near vertical. This site was repaired at the time of the Fall 2017 inspection.					

Photo 3 of 3 : LEVAL_SP_2018_133_228.jpg



LM Start	2.23	Rating **	U	Issue No.	24
LM End	2.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.647088 °	37.647088 °
				-121.225077 °	-121.225077 °
DWR ID	DWR_RD2101_01_s_2017_24				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
LMA installed bait stations throughout the district. Backfill and compact rodent holes.					

Photo 1 of 1 : SP_2018_RD2101_326_24_20180305_00011.jpg



View of the rodent burrow on the levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.46	Rating **	U	Issue No.	25
LM End	2.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.644691 °	37.644691 °
				-121.227681 °	-121.227681 °
DWR ID	DWR_RD2101_01_s_2017_25				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD2101_326_25_20180305_00012.jpg



View of the multiple rodent burrows on the levee slope.

LM Start	2.52	Rating **	U	Issue No.	30
LM End	2.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.644166 °	37.644166 °
				-121.228386 °	-121.228386 °
DWR ID	DWR_RD2101_01_s_2017_30				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Multiple large rodent holes.					

Photo 1 of 1 : SP_2018_RD2101_326_30_20180305_00018.jpg



View of the rodent burrows on the levee slope near the toe.

LM Start	2.56	Rating **	U	Issue No.	36
LM End	2.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.643733 °	37.643733 °
				-121.229083 °	-121.229083 °
DWR ID	DWR_RD2101_01_s_2017_36				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD2101_326_36_20180305_00020.jpg



View of the multiple rodent burrows on the levee slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.67	Rating **	U	Issue No.	37
LM End	2.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.642436 °	37.642436 °
				-121.229854 °	-121.229854 °
DWR ID	DWR_RD2101_01_s_2017_37				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD2101_326_37_20180305_00021.jpg



View of the multiple rodent burrows on the levee slope.

LM Start	2.82	Rating **	U	Issue No.	950
LM End	2.82	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.640566 °	37.640566 °
				-121.230216 °	-121.230216 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51392 DS_ID:20705 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/16/2016 No access available. Need to coordinate with LMA to obtain access for proper inspection at a later date. (O. Magana - DWR UCIP)09/19/2013 Flap gate missing from WS headwall. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.85), Drawing No. 07-04-1666, Sheets 1666/13 and 1666/51, (Station 421+30)]. FS Date: 11/16/2016					

Photo 1 of 3 : UCIP_SP_2018_51392_35142.jpg



Concrete headwall visible at LS toe in ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.82	Rating **	U	Issue No.	950 (cont)	
LM End	2.82	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.640566 °	37.640566 °	
				-121.230216 °	-121.230216 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51392 DS_ID:20705 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/16/2016 No access available. Need to coordinate with LMA to obtain access for proper inspection at a later date. (O. Magana - DWR UCIP)09/19/2013 Flap gate missing from WS headwall. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.85), Drawing No. 07-04-1666, Sheets 1666/13 and 1666/51, (Station 421+30)]. FS Date: 11/16/2016						

Photo 2 of 3 : UCIP_SP_2018_51392_35141.jpg



Concrete headwall visible on WS toe at canal.

LM Start	2.82	Rating **	U	Issue No.	950 (cont)
LM End	2.82	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2018_51392_35140.jpg



Concrete headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.83	Rating **	U	Issue No.	27
LM End	2.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.640425 °	37.640425 °
				-121.230139 °	-121.230139 °
DWR ID	DWR_RD2101_01_s_2012_27				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Burrows on both sides of levee. Backfill the burrows to restore the levee to original condition.					

Photo 1 of 1 : SP_2018_RD2101_326_27_20180305_00014.jpg



View of multiple rodent holes on the levee slope.

LM Start	2.85	Rating **	M	Issue No.	28
LM End	2.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.640134 °	37.640134 °
				-121.230019 °	-121.230019 °
DWR ID	DWR_RD2101_01_s_2012_28				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes were backfilled but some are still active. Continue to monitor the area and exterminate the rodents.					

Photo 1 of 1 : SP_2018_RD2101_326_28_20180305_00015.jpg



View of numerous rodent holes with bait stations present.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.87	Rating **	A/W	Issue No.	953
LM End	2.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.639924 °	37.639924 °
				-121.230005 °	-121.230005 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20875					
DS_ID:20707					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 1 of 2: 24-inch corrugated metal drainage pipe					
through the levee, 12.5 feet below the crown. Concrete U-shaped					
headwalls on each end. Flap gate on the waterside (WS) end.					
[Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin					
O&M Manual 12, December 1968, (HLM 2.89)].					
FS Date: 9/19/2013					

Photo 1 of 3 : UCIP_SP_2018_20875_35156.jpg



Flapgate on WS toe at concrete headwall.

LM Start	2.87	Rating **	A/W	Issue No.	953 (cont)
LM End	2.87	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_20875_35155.jpg



Inlet on LS toe with concrete headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

Photo 3 of 3 : UCIP_SP_2018_20875_35154.jpg



Inlet on LS toe with concrete headwall.

Photo 1 of 3 : UCIP_SP_2018_201876_35159.jpg



09/19/2013 11:55

Concrete inlet on LS toe at canal.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.87	Rating **	A/W	Issue No.	954 (cont)	
LM End	2.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.639884 °	37.639884 °	
				-121.230008 °	-121.230008 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20876						
DS_ID:20709						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 2 of 2: 24-inch drainage pipe of an unknown material through the levee, 12.5 feet below the crown. Concrete U-shaped headwalls on each end. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE San Joaquin O&M Manual 12, December 1968, (HLM 2.89)].						
FS Date: 9/19/2013						

Photo 2 of 3 : UCIP_SP_2018_20876_35158.jpg



Concrete U-shaped headwall on WS toe with flapgate.

LM Start	2.87	Rating **	A/W	Issue No.	954 (cont)
LM End	2.87	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_SP_2018_20876_35157.jpg



Concrete inlet on LS toe at canal.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.16	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	2.87	Rating **	M	Issue No.	29
LM End	2.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.639852 °	37.639852 °
				-121.229980 °	-121.229980 °
DWR ID	DWR_RD2101_01_s_2012_29				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : SP_2018_RD2101_326_29_20180305_00016.jpg

View of repaired site, but it appears that erosion is still occurring.
09/25/2012

LM Start	2.87	Rating **	M	Issue No.	29 (cont)
LM End	2.87	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2018_RD2101_326_29_20180305_00017.jpg



Levee slope is being eroded at this location. Repair needed to preserve access road.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River (Spur Levee)	Right	0.30	03/08/2018 03/08/2018	Maksim Khashchuk

LM Start	0.01	Rating **	A	Issue No.	1	
LM End	0.01	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			37.659866 °		37.659866 °
				-121.243509 °		-121.243509 °
DWR ID	DWR_RD2101_02_s_2018_1					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
Acceptable vegetation control.						

Photo 1 of 1 : SP_2018_RD2101_327_1_20180308_00001.jpg



View of the acceptable vegetation control on the levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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